

AMENDMENT TO THE CLAIMS:

1. (Currently Amended) A precursor to an electron source, said precursor being one on which electron emitting devices and a supporting frame ~~source for being~~ coupled to an image display member to form an image display apparatus are to be disposed, ~~the image display member for displaying an image in response to being irradiated by electrons~~; said precursor comprising:

a substrate; and

an antistatic film provided on a surface of said substrate in an area except for a partial surface area of said substrate, wherein said antistatic film has a surface on which said electron emitting devices are to be disposed, and said partial surface area is an area in which said supporting frame is to be disposed ~~at a region where electron emitting devices are to be disposed on said precursor to form said electron source, but not on a region of that surface which is to be coupled to the image display member.~~

2. (Previously Presented) A precursor according to Claim 1, wherein said antistatic film contains conductive particles.

3. (Currently Amended) A precursor to an electron source, said precursor being one on which electron emitting devices and a supporting frame ~~source for being~~ coupled to an image display member to form an image display apparatus are to be disposed, ~~the image display member for displaying an image in response to being irradiated by electrons~~; said precursor comprising:

a substrate; and

a sodium blocking film provided on a surface of said substrate in an area
except for a partial surface area of said substrate,

wherein said sodium blocking film has a surface on which said electron
emitting devices are to be disposed, and said partial surface area is an area in which said
supporting frame is to be disposed ~~at a region where electron emitting devices are to be~~
~~disposed on said precursor to form said electron source, but not on a region of that surface~~
~~which is to be coupled to the image display member.~~

4. (Previously Presented) A precursor according to Claim 3, wherein said
sodium blocking film contains sodium blocking particles.

5. (Currently Amended) A precursor to an electron source, said precursor
being one on which electron emitting devices and a supporting frame ~~source for being~~
coupled to an image display member to form an image display apparatus are to be
disposed, ~~the image display member for displaying an image in response to being irradiated~~
~~by electrons;~~ said precursor comprising:

a substrate; and

an insulating film containing a metal oxide provided on a surface of said substrate in an area except for a partial surface area of said substrate,

wherein said insulating film containing metal oxide has a surface on which said electron emitting devices are to be disposed, and said partial surface area is an area in which said supporting frame is to be disposed ~~at a region where electron emitting devices are to be disposed on said precursor to form said electron source, but not on a region of that surface which is to be coupled to the image display member.~~

6. (Currently Amended) A precursor to an electron source, said precursor being one on which ~~electron emitting devices and a supporting frame source for being~~ coupled to an image display member to form an image display apparatus are to be disposed, ~~the image display member for displaying an image in response to being irradiated by electrons,~~ said precursor comprising:

a substrate; and

a SiO₂ film containing a metal oxide provided on a surface of said substrate in an area except for a partial surface area of said substrate,

wherein said SiO₂ film containing metal oxide has a surface on which said electron emitting devices are to be disposed, and said partial surface area is an area in

which said supporting frame is to be disposed ~~at a region where electron-emitting devices are to be disposed on said precursor to form said electron source, but not on a region of that surface which is to be coupled to the image display member.~~

7. (Previously Presented) A precursor according to Claim 6, further comprising another film including SiO_2 disposed on said SiO_2 film.

8. (Previously Presented) A precursor according to any one of Claims 5 – 7, wherein the metal oxide is particulate.

9. (Previously Presented) A precursor according to any one of Claims 5 – 7, wherein the metal oxide is electron-conductive.

10. (Previously Presented) A precursor according to any one of Claims 5 – 7, wherein the metal oxide is selected from the group consisting of Fe, Ni, Cu, Pd, Ir, In, Sn, Sb and Re.

11. (Currently Amended) A precursor to an electron source, said precursor being one on which electron emitting devices and a getter film are to be disposed, said precursor comprising:

a substrate; and

an antistatic film provided on a surface of said substrate in an area except for a partial surface area of said substrate,

wherein said antistatic film has a surface on which said electron emitting devices are to be disposed, and said partial surface area is an area in which said getter film is to be disposed ~~at a region where electron emitting devices are to be disposed on said precursor, but not on a region of that surface where a getter film is to be disposed to form said electron source.~~

12. (Currently Amended) A precursor to an electron source, said precursor being one on which electron emitting devices and a getter film are to be disposed, said precursor comprising:

a substrate; and

a sodium blocking film provided on a surface of said substrate in an area except for a partial surface area of said substrate,

wherein said sodium blocking film has a surface on which said electron emitting devices are to be disposed, and said partial surface area is an area in which said getter film is to be disposed ~~at a region where electron emitting devices are to be disposed on said precursor, but not on a region of that surface where a getter film is to be disposed to form said electron source.~~

13. (Currently Amended) A precursor to an electron source, said precursor being one on which electron emitting devices and a getter film are to be disposed, said precursor comprising:

a substrate; and

an insulating film containing a metal oxide provided on a surface of said substrate in an area except for a partial surface area of said substrate,

wherein said insulating film containing metal oxide has a surface on which said electron emitting devices are to be disposed, and said partial surface area is an area in which said getter film is to be disposed ~~at a region where electron emitting devices are to be disposed on said precursor, but not on a region of that surface where a getter film is to be disposed to form said electron source.~~

14. (Currently Amended) A precursor to an electron source, said precursor being one on which electron emitting devices and a getter film are to be disposed, said precursor comprising:

a substrate; and

a SiO₂ film containing a metal oxide provided on a surface of said substrate in an area except for a partial surface area of said substrate,

wherein said SiO₂ film containing metal oxide has a surface on which said electron emitting devices are to be disposed, and said partial surface area is an area in which said getter film is to be disposed ~~at a region where electron emitting devices are to be disposed on said precursor, but not on a region of that surface where a getter film is to be disposed to form said electron source.~~

15. (Previously Presented) A precursor according to Claim 14, further comprising another film including SiO₂ laminated on said SiO₂ film.

16. (Previously Presented) A precursor according to any one of Claims 13 – 15, wherein the metal oxide is electron-conductive.

17. (Previously Presented) A precursor according to any one of Claims 13 – 15, wherein the metal oxide is selected from the group consisting of Fe, Ni, Cu, Pd, Ir, In, Sn, Sb and Re.

18. (Currently Amended) A precursor to an electron source, said precursor being one on which electron emitting devices, a getter film and a supporting frame ~~source for being~~ coupled to an image display member to form an image display apparatus are to be disposed, ~~the image display member for displaying an image in response to being irradiated by electrons~~, said precursor comprising:

a substrate; and

an antistatic film provided on a surface of said substrate in an area except for a partial surface area of said substrate,

wherein said antistatic film has a surface on which said electron emitting devices are to be disposed, and said partial surface area is an area in which said supporting frame and the getter film are to be disposed ~~at a region where electron emitting devices are to be disposed on said precursor, but not on a region of that surface which is to be coupled to the image display member and a region of that surface where a getter film is to be disposed to form said electron source.~~

19. (Previously Presented) A precursor according to Claim 18, wherein said antistatic film contains conductive particles.

20. (Currently Amended) A precursor to an electron source, said precursor being one on which electron emitting devices, a getter film and a supporting frame source ~~for being~~ coupled to an image display member to form an image display apparatus are to be disposed, the image display member for displaying an image in response to being irradiated by electrons; said precursor comprising:

a substrate; and

a sodium blocking film provided on a surface of said substrate in an area except for a partial surface area of said substrate,

wherein said sodium blocking film has a surface on which said electron emitting devices are to be disposed, and said partial surface area is an area in which said supporting frame and the getter film are to be disposed ~~at a region where electron emitting devices are to be disposed on said precursor; but not on a region of that surface which is to be coupled to the image display member and a region of that surface where a getter film is to be disposed to form said electron source.~~

21. (Previously Presented) A precursor according to Claim 20, wherein said sodium blocking film contains sodium blocking particles.

22. (Currently Amended) A precursor to an electron source, said precursor being one on which electron emitting devices, a getter film and a supporting frame source for being coupled to an image display member to form an image display apparatus are to be disposed, the image display member for displaying an image in response to being irradiated by electrons, said precursor comprising:

a substrate; and

an insulating film containing a metal oxide provided on a surface of said substrate in an area except for a partial surface area of said substrate,

wherein said insulating film containing metal oxide has a surface on which said electron emitting devices are to be disposed, and said partial surface area is an area in which said supporting frame and the getter film are to be disposed at a region where electron emitting devices are to be disposed on said precursor, but not on a region of that surface which is to be coupled to the image display member and a region of that surface where a getter film is to be disposed to form said electron source.

23. (Currently Amended) A precursor to an electron source, said precursor being one on which electron emitting devices, a getter film and a supporting frame ~~source~~ for being coupled to an image display member to form an image display apparatus are to be disposed, ~~the image display member for displaying an image in response to being irradiated by electrons~~, said precursor comprising:

a substrate; and

a SiO₂ film containing a metal oxide provided on a surface of said substrate in an area except for a partial surface area of said substrate,

wherein said SiO₂ film containing metal oxide has a surface on which said electron emitting devices are to be disposed, and said partial surface area is an area in which said supporting frame and the getter film are to be disposed ~~at a region where electron emitting devices are to be disposed on said precursor to form said electron source, but not on a region of that surface which is to be coupled to the image display member and a region of that surface where a getter film is to be disposed to form said electron source.~~

24. (Previously Presented) A precursor according to Claim 23, further comprising another film including SiO₂ disposed on said SiO₂ film.

25. (Previously Presented) A precursor according to any one of Claims 22 – 24, wherein the metal oxide is particulate.

26. (Previously Presented) A precursor according to any one of Claims 22 – 24, wherein the metal oxide is electron-conductive.

27. (Previously Presented) A precursor according to any one of Claims 22 – 24, wherein the metal oxide is selected from the group consisting of Fe, Ni, Cu, Pd, Ir, In, Sn, Sb and Re.

28. (Previously Presented) An electron source comprising:
a precursor according to any one of Claims 1 – 7, 11 – 15, and 18 – 24; and
electron emitting devices disposed on said precursor.

29. (Currently Amended) An electron source according to Claim 28,
wherein each of said electron emitting devices includes a conductive film including
[[having]] an electron emitting portion.

30. (Previously Presented) An electron source according to Claim 28, wherein at least some of the electron emitting devices are wired in a matrix configuration through a plurality of row-direction wires and a plurality of column-direction wires.

31. (Previously Presented) An image display device, comprising:
an electron source, comprising
a precursor according to any one of Claims 1 – 7, 11 – 15, and 18 – 24, and
electron emitting devices disposed on said precursor; and
an image display member for displaying an image in response to being irradiated by electrons emitted from said electron emitting devices.

32. (Previously Presented) An image display device according to Claim 31, further comprising a supporting member coupling said electron source to said image display member.

33. (Previously Presented) An image display device according to Claim 31, wherein each of said electron emitting devices includes a conductive film having an electron emitting portion.

34. (Previously Presented) An image display device according to Claim 31, wherein at least some of the electron emitting devices are wired in a matrix configuration through a plurality of row-direction wires and a plurality of column-direction wires.